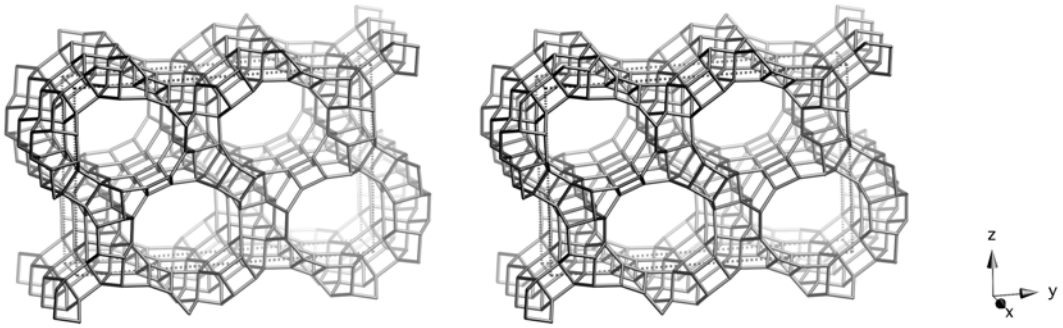
SFH *Cmcm*

Framework Type Data



framework viewed along [100]

Idealized cell data: orthorhombic, *Cmcm*, a = 5.3Å, b = 34.3Å, c = 21.5Å

Coordination sequences and vertex symbols:

T_1 (8,*m*..)	4	11	22	35	57	75	107	135	178	221	269	315	$4{\cdot}6_2{\cdot}5{\cdot}6{\cdot}5{\cdot}6$
T_2 (8,*m*..)	4	10	20	31	54	71	106	132	174	212	258	307	$4{\cdot}5{\cdot}4{\cdot}5{\cdot}14_6{\cdot}*$
T_3 (8,*m*..)	4	12	22	35	49	80	109	144	178	205	244	321	$5{\cdot}6_2{\cdot}5{\cdot}6_2{\cdot}5_2{\cdot}6$
T_4 (8,*m*..)	4	10	19	34	47	76	100	140	172	213	249	299	$4{\cdot}5{\cdot}4{\cdot}5{\cdot}6{\cdot}14_6$
T_5 (8,*m*..)	4	11	22	38	52	78	103	140	178	220	262	312	$4{\cdot}6_2{\cdot}5{\cdot}6{\cdot}5{\cdot}6$
T_6 (8,*m*..)	4	12	19	35	54	79	103	145	167	216	273	315	$5{\cdot}6{\cdot}5{\cdot}6{\cdot}5_2{\cdot}6$
T_7 (8,*m*..)	4	12	22	34	50	72	108	147	179	208	248	303	$5{\cdot}6_2{\cdot}5{\cdot}6_2{\cdot}6_2{\cdot}14_6$
T_8 (8,*m*..)	4	12	23	36	53	75	108	143	178	212	258	314	$5{\cdot}6{\cdot}5{\cdot}6{\cdot}6{\cdot}6_2$

Secondary building units: 5-3

Composite building units:

dzc	*afi*	*cas*	*mtw*
double zigzag chain			

Materials with this framework type:

*SSZ-53[1]

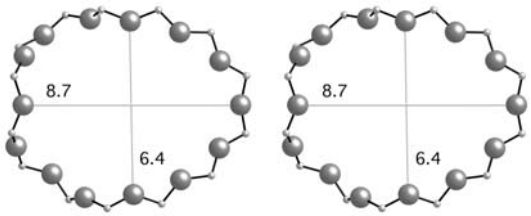
Type Material: SSZ-53 — SFH

Type Material Data

Crystal chemical data: $[B_{1.6}Si_{62.4}O_{128}]$-**SFH**
monoclinic, C2/c
a = 5.0192Å, b = 33.7437Å, c = 21.1653Å, β = 90.485° (1)

Framework density: 17.9 T/1000Å^3

Channels: [001] **14** 6.4 x 8.7*



14-ring viewed along [001]

References:

(1) Burton, A., Elomari, S., Chen, C.Y., Medrud, R.C., Chan, I.Y., Bull, L.M., Kibby, C., Harris, T.V., Zones, S.I. and Vittoratos, E.S. *Chem. Eur. Journal*, **9**, 5737-5748 (2003)